

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 62163261
PUBLICATION DATE : 20-07-87

APPLICATION DATE : 10-01-86
APPLICATION NUMBER : 61004058

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INT.CL. : H01M 4/04 C23C 18/16 H01B 13/00 H01M 4/02 H01M 4/88 H01M 4/96

TITLE : MANUFACTURE OF ELECTRODE OF HIGH ELECTRIC CONDUCTIVITY

ABSTRACT : PURPOSE: To enhance electric conductivity without losing original useful properties, by using an electroless plating method to deposit an electroconductive metal layer on the surface of an active carbon fiber.

CONSTITUTION: A phosphite, hydrazine, a hydrogenated boron compound, amine borane or the like is used as a chemical reducing agent for an electroless plating solution. Nickel, cobalt, copper, silver, gold, platinum, rhodium or the like is used as a plated metal. The ratio of the weight of a deposited electroconductive metal layer to that of an active carbon fiber is 3~100%. An electrode of high electric conductivity is thus manufactured.

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